



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant (s): Michael Ricks, et al

Serial No.: 10/647,172

Group Art Unit: 1624

Filed: August 22, 2003

Examiner: Richard L. Raymond

For: FUNGICIDAL HETEROCYCLIC AROMATIC AMIDES AND THEIR  
COMPOSITIONS, METHODS OF USE AND PREPARATION

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DATE OF DEPOSIT

Barb Saberson

PRINT OR TYPE NAME OF PERSON SIGNING CERTIFICATE

SIGNATURE OF PERSON SIGNING CERTIFICATE

DATE OF SIGNATURE

Commissioner for Patents  
Alexandria, VA 22313

Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to Applicant's duty of disclosure under 37 CFR §1.56, the  
Examiner's attention is directed to the information identified in the attached Form  
PTO 1449.

A copy of all cited patents and printed publications is enclosed. The  
Examiner is requested to review each reference and formulate his own understanding  
thereof.

Respectfully submitted,

Lynn M. Zettler

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Indianapolis, IN 46268

:bls  
Enclosures

06/22/2005 WAREDEL1 00000098 041529 10647172

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Substitute for form 1449A/PTO

## Complete if known

Application Number	10,647,172
Filing Date	August 22, 2003
First Named Inventor	Michael J. Ricks, et al
Art Unit	1624
Examiner Name	Richard L. Raymond
Attorney Docket Number	50,736F

INFORMATION DISCLOSURE STATEMENT BY  
APPLICANT

JUN 20 2005

(Use as many sheets as necessary)

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Patent Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-4,588,735	05-13-1986	Spatz	
	AB	US-4,800,211	01-24-1989	Tischler, et al	
	AC	US-6,521,622	02-18-2003	Ricks, et al	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA	DE-436323	11-15-1967			X
	BB	EP-0241735	03-17-1987			
	BC	FR-2649699A	01-18-1991			
	BD	WO-93/13664	07-22-1993			X
	BE	EP-0661269	12-27-1994			
	BF	JP-07233165	09-05-1995			X
	BG	WO-96/10016	04-04-1996			
	BH	JP-08211378	09-08-1996			
	BI	WO-96/37472	11-28-1996			X
	BJ	EP-0891975	01-20-1999			X

Examiner Signature		Date Considered	
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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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	BK	WO-99/11127	03-11-1999			
	BL	JP-11228542	08-24-1999			
	BM	WO-99/40081	08-12-1999			
	BN	EP-1134214	09-19-2001			X
	BO	JP-WO00/26191	05-11-2000			X
	BP	EP-1013169	06-28-2000			X
	BQ	EP-1054011	11-22-2000			X
	BR	WO-00/76979	12-21-2000			
	BS	WO-01/05769	01-25-2001			X
	BT	WO-01/14339	03-1-2001			X
	BU	WO-01/49667	07-12-2001			
Examiner Signature				Date Considered		

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

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APPLICANT

JUN 20 2005

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## NON PATENT LITERATURE DOCUMENTS

T<sup>2</sup>

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
	CA	GAYRAL, PHILLIPE; BUISSON, JEAN-PIERRE; ROYER, RENE, "Activities contre les mollusques Biomphalaria glabrata de carboxanilido-2 hydroxy-3-benzo[b] thiophenes," 1985-20, p. 187-189, EUR. J. MED. CHEM	
	CB	HANAFI, ET AL, "UK-2A, B, C and D, Novel Antifungal, Antibiotics from Streptomyces, sp. 517-02 II. Structural Elucidation," The JOURNAL OF ANTIBIOTICS, Vol. 49, Number 12, pp. 1226-1231 (1996)	X
	CC	NIELS CLAUSON-KAAS, ET AL; Preparation of Derivatives of 3-Hydroxypicolinic Acid From Furfural	
	CD	SHIBATA, ET AL, "UK-1, A Novel Cytotoxic Metabolite From Streptomyces sp. 517-02 II. Structural Elucidation," THE JOURNAL OF ANTIBIOTICS, Vol. 46, Number 7, pp. 1095-1100 (1993)	X
	CE	SHIMANO, ET AL, "Enantioselective Total Synthesis of the Antifungal Dilactone, UK-2A: The Determination of the Relative and Absolute Configurations," TETRAHEDRON LETTERS, Vol. 39, pp. 4363-4366 (1998)	X
	CF	SHIMANO, ET AL, "Total Synthesis of the Antifungal Dilactones UK-2A and UK-3A: The Determination of their Relative and Absolute Configurations, Analog Synthesis and Antifungal Activities," TETRAHEDRON LETTERS, Vol. 54, pp. 12745-12774 (1998)	X
	CG	UEKI, ET AL, "UK-1, A Novel Cytotoxic Metabolite from Streptomyces sp. 517-02 I. Taxonomy, Fermentation, Isolation, Physico-Chemical and Biological Properties," THE JOURNAL OF ANTIBIOTICS, Vol. 46, Number 7, pp. 1089-1094 (1993)	X
	CH	UEKI, "UK-2A, B, C and D, Novel Antifungal from Streptomyces sp. 517-02 I. Fermentation, Isolation, and Biological Properties," THE JOURNAL OF ANTIBIOTICS, Vol. 49, Number 7, pp. 639-643 (1996)	X
	CI	UEKI, ET AL, "UK-3A, a Novel Antifungal Antibiotic from Streptomyces sp. 517-02: Fermentation, Isolation, Structural Elucidation and Biological Properties," THE JOURNAL OF ANTIBIOTICS, Vol. 50, Number 7, pp. 551-555 (1997)	X
	CJ	UEKI, ET AL, "The Mode of Action of UK-2A and UK-3A, Novel Antifungal Antibiotics from Streptomyces, sp. 517-02," THE JOURNAL OF ANTIBIOTICS, Vol. 50, Number 12, pp. 1052-1057 (1997)	X
EXAMINER	DATE		
SIGNATURE	CONSIDERED		

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.